

Title (en)

Member provided with a surface layer of adsorbed functional particles

Title (de)

Komponent mit einer Oberflächenschicht aus adsorbierten Funktionspartikeln

Title (fr)

Composant ayant une couche de surface en particules fonctionnelles adsorbées

Publication

EP 1447145 A3 20050105 (EN)

Application

EP 04002581 A 20040205

Priority

JP 2003028321 A 20030205

Abstract (en)

[origin: EP1447145A2] The surface functional member of the present invention has a layer of adsorbed particles which is formed by adsorbing functional particles that are bondable with ionic polar groups onto the substrate on which graft polymer chains having the ionic polar groups are present. The graft polymer chains are preferably formed from a polymerization initiator fixed on the substrate surface by atom transfer radical polymerization. The surface functional member is provided with a layer of functional particles excelling in durability that are firmly adsorbed in the form of a single- or multi-layer structure on its surface so that the functions of the adsorbed functional particles can be exhibited for a long period of time.

IPC 1-7

B05D 7/00; **B05D 1/18**

IPC 8 full level

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CPC (source: EP US)

B05D 7/26 (2013.01 - EP US)

Citation (search report)

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EP1802184A4; WO2006049306A1

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